

ABSTRACT

In a ground contact load control apparatus for a vehicle having front and rear, left and right load bearing means (11, 12, 13, 14) which support the ground contact load of each of the front and rear, left and right wheels, respectively, a load changing means which can operate to change the ground contact load supported by these load bearing means, vehicle state sensing means (sensors) which sense the state of the vehicle, and a control means (electric control unit ECU) which controls the operation of the load changing means in accordance with signals from the vehicle state sensing means, load changing means (50, 60) which can increase and decrease the ground contact load of any pair of diagonally opposed wheels and the ground contact load of the other pair of diagonally opposed wheels in opposite directions and which can operate to increase or decrease the ground contact load of diagonally opposed wheels in the same direction are used as the load changing means.